

Massachusetts Department of Public Health
ELC – CDC- CI10-101203PPHF12
Budget Request

Activity C: Health Information Systems Capacity - Continuing activities

A. Personnel: \$0

B. Fringe Benefits: \$0

C. Travel: \$0

D. Equipment: \$0

E. Supplies: \$0

F. Contractual: \$417,600

BID Health Information Exchange Technical Direction: \$195,000

Name of Contractor: Strategic Solutions Group, SSG.

Method of Selection: This contract was competitively procured in accordance with Massachusetts Law, 801 CMR 21.

Period of Performance: 8/01/2012- 07/31/2013 (12 months)

Scope of work: The contractor will provide technical direction and subject matter expertise for electronic laboratory reporting and oversee all technical aspects of messaging between the electronic data reporting infrastructure and MAVEN. The contractor will also guide PHIN-MS implementation efforts to send data from the BID to CDC. **This contractor is necessary for meeting the Health Information Systems required metric (number and percent of labs using ELR).**

Method of Accountability: The contractor will report to the Director for Information Technology, Bureau of Infectious Disease.

Budget: \$195,000 (37.5 hrs weeks x 52 weeks x \$100 hr.)

Name of Contractor: Consilience Software \$50,000

Method of Selection: This contract was competitively procured in accordance with Massachusetts Law, 801 CMR 21.

Period of Performance: 8/01/2012- 07/31/2013 (12 months)

Scope of work: The contractor will provide technical direction and subject matter expertise for all BID projects related to health information exchange, including electronic medical record reporting from providers and health centers, interfacing with the statewide HIE, and expansion of MAVEN to support provider based reporting.

Method of Accountability: The contractor will report to the Director for Information Technology, Bureau of Infectious Disease.

Budget: \$50,000

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IT project management LIMS support services: \$22,000

Name of Contractor: VT Regina and Associates

Method of Selection: This contract was be competitively procured in accordance with Massachusetts Law, 801 CMR 21.

Period of Performance: 8/1/2012 – 7/31/2013 12months

Scope of work: Contractor will provide IT project management LIMS support services. This includes the coordination of a detailed work plans, a project plan, WBS and status reports for the implementation of the Viral Molecular component into the BtB LIMS, including required ELR and Rhapsody interfacing and messaging and upgrading the Rhapsody IDE. VT Regina and Associates will also provide HL7 SME services, including the identification of data elements needed for accepting electronic orders and reports and assisting in the review of all proposed HL7and MDPH ORM message structure changes. This includes submitting reportable laboratory results to the BID and other public health agencies using HL7 and LOINC and SNOMED vocabulary standards. Results transmitted during this period will be in testing to certify the message structure and vocabulary.

Method of Accountability: The contractor will report to the Division/Director for Informatics for the Massachusetts Department of Public Health.

Budget: \$22,000 = 4.5hrs/week X 50 weeks X 98/hr



IT Programming Support \$115,600

Name of Contractor: McInnis Consulting Services

Method of Selection: This contract was/will be competitively procured in accordance with Massachusetts Law, 801 CMR 21.

Period of Performance: 12 months

Scope of work: Contractors will provide programming support for the development of the Viral Molecular BtB LIMS components and assist in ELR HL7 interfacing. Programming support will augment existing in-house staff for the development. Selected staff will be proficient in VB.NET, SQL, .NET, SQL Reports and be certified in Microsoft technologies. Specific application development activities include the implementation of HL7 messaging, deployment of the WebLogic JMS Bridge, which allows PHIN complaint communication between the Laboratory Information management System (LIMS) and ELR, development of detailed specifications for the SLIS Viral Molecular LIMS module. IT support will also assist in the development of the Norovirus PCR and sequencing assay components into the IML LIMS. Development work will begin once the assays are validated by the laboratory. Reporting will include submission of results to CaliciNet.

Method of Accountability: The contractor will report to the Division/Director for Informatics for the Massachusetts Department of Public Health.

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Budget:

1. VB.NET, SQL Programming Support \$85,000 = 25/hr week x \$68/hr X 50 weeks
2. J2EE, WebLogic, Hibernate Oracle Programming Support \$30,600= 37.5 hr/week X \$68/hr X 12 weeks = \$30,600



G. Construction: \$0

H. Other: \$35,000

Software – Rhapsody \$13,000

Funding is requested for Rhapsody IDE software support and maintenance for ELR message and LIMS interfacing. Ongoing support is necessary for to upgrade to latest version of Rhapsody IDE of 4.0 or greater. Rhapsody supports all PHLIP, ELR and LRNB messaging for the Laboratory Bureau.

Software – \$22,000 BtB LIMS Annual Support and Maintenance.

Funding for annual BtB LIMS software support and maintenance. The BtB LIMS supports all viral, serological and molecular specimen processing, testing and resulting conducted by the Laboratory Bureau. The BtB LIMS is interfaced with the ELR system to allow electronic messaging and result reporting to the Bureau of Infectious Diseases and hospitals and other health care providers.

Total Direct Charges: \$417,600

Indirect: \$0

Health Information Systems Capacity - Activity C Total - \$417,600